

# Well-tempered and efficient

**AGENITOR 408 SUPPLIES AN ALL-WEATHER POOL IN RATINGEN WITH ELECTRICAL POWER AND HEAT**



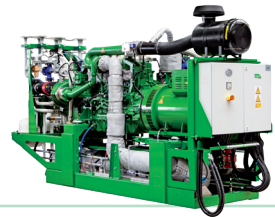
The City of Ratingen in North Rhine-Westphalia is well-known for its all-weather spa. The popular spa has the right offering for every age group, with a sauna landscape, wellness area, indoor pool or outdoor pool. These offerings require a great deal of electrical power and heat. The Ratingen municipal works has already operated a 50 kW CHP for partial supply of the allweather spa for more than 11 years. At the end of 2016, the

***The CHP runs and runs and runs.***

Georg Abraham | Dep. Manager of  
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Stadtwerke Ratingen



system was replaced with a more powerful CHP plant: the agenitor 408 with an electrical output of 360 kW and a thermal output of 400 kW. The plant is heat-controlled, which means it can cover the entire thermal basic load of the all-weather spa. As a result, a majority of the electrical power supply can be provided with the 2G plant. The high electrical and thermal efficiency of 42.5% and 45.0% assure an energy supply with maximum efficiency. The agenitor was installed “packed” in a sound capsule immediately next to the swimming pool in a concrete sound hood. The noise emissions at a distance of 10 m were only 35 dB (A), which is somewhat quieter than a conventional vacuum cleaner.



**Stadtwerke Ratingen GmbH**

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agenitor 408

Natural gas

360 kW electrical

400 kW thermal

Sound capsule/concrete

sound hood

